INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051290

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   G06F1/32   G06F15/16   G06F15/163   G06F9/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12, 29 October 1999 (1999-10-29) & JP 11 202988 A (HITACHI LTD), 30 July 1999 (1999-07-30) abstract	1-10
X	-& JP 11 202988 A (HITACHI LTD) 30 July 1999 (1999-07-30) ————— -/--	1-10

[X] Further documents are listed in the continuation of box C.   [X] Patent family members are listed in annex.

° Special categories of cited documents :

'A' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier document but published on or after the International filing date

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'P' document published prior to the International filing date but later than the priority date claimed

'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Invention

'X' document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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'&' document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
30 November 2004	09/12/2004

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Griesbach, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LARS S. NIELSEN AND CEES NIESSEN: "Low-power operation using self-timed circuits and adaptive scaling of the supply voltage" IEEE TRANS. VERY LARGE SCALE INTEGR. SYST., vol. 2, no. 4, 4 December 1994 (1994-12-04), XP002308149 page 392, paragraphs 3,4 figure 1	3
A	ANOOP IYER AND DIANA MARCULESCU: "Power Efficiency of Voltage Scaling in Multiple Clock, Multiple Voltage Cores" PROCEEDINGS OF THE 2002 IEEE ACM INTERNATIONAL CONFERENCE ON COMPUTER AIDED DESIGN, 2002, pages 379-386, XP002308150 page 383, last paragraph page 379, paragraph 2-5 figures 1-3	3
A	EP 0 978 781 A (LUCENT TECHNOLOGIES INC) 9 February 2000 (2000-02-09) abstract paragraphs '0008!, '0027! - '0029! figure 4	1-10

INTERNATIONAL SEARCH REPORT

nformation on patent family members

International Application No

PCT/IB2004/051290

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 11202988	A	30-07-1999	NONE		
EP 0978781	A	09-02-2000	US 6141762 A		31-10-2000
			EP 0978781 A2		09-02-2000
			JP 2000066776 A		03-03-2000